

Appl. No. 10/789,287

IN THE CLAIMS

1. - 2. (Cancelled)

3. (Currently Amended) A method of assembling a connector, comprising:

providing a plurality of connector slices, each connector slice comprising an electrically insulating body of a first thickness, the electrically insulating body having first and second major surfaces, and further having a plurality of through-holes providing openings between the first and second major surfaces;

stacking the plurality of connector slices, one atop another, in alignment such that major surfaces are facing one another and each through-hole of each connector slice is coaxially aligned with the corresponding through-holes of the other connector slices, and such that the stack so formed has a first predetermined height; and

adhering at least one pair of the plurality of stacked connector slices to each other;

wherein each of the through-holes are adapted to receive a conductor; and

The method of Claim 2, wherein adhering comprises one of the group consisting of disposing a low viscosity glue between the at least one pair of the first plurality of stacked connector slices, and disposing an adhesive sheet between the at least one pair of the plurality of stacked connector slices.

4. -14. (Cancelled)

Appl. No. 10/789,287

15. (Currently Amended) A method of assembling a connector, comprising:

providing a plurality of connector slices, each connector slice comprising an electrically insulating body of a first thickness, the electrically insulating body having first and second major surfaces, and further having a plurality of through-holes providing openings between the first and second major surfaces; and

stacking the plurality of connector slices, one atop another, in alignment such that major surfaces are facing one another and each through-hole of each connector slice is coaxially aligned with the corresponding through-holes of the other connector slices, and such that the stack so formed has a first predetermined height;

wherein each of the through-holes are adapted to receive a conductor; and

~~The method of Claim 4~~, further comprising disposing a tight-sheet between at least one pair of the stacked connector slices, the tight-sheet having through-holes coaxially aligned with the through-holes of the stacked connector slices.

16. (Original) The method of Claim 15, wherein the tight-sheet comprises a flex material.

17. (Original) The method of Claim 15, wherein the tight-sheet comprises a sheet of rigid material, the through-holes of the rigid material having an inner circumference that is less than an inner circumference of the through-holes of the stacked connector slices.

Appl. No. 10/789,287

18. (Cancelled)

19. (Currently Amended) A method of assembling a connector, comprising:

providing a plurality of connector slices, each connector slice comprising an electrically insulating body of a first thickness, the electrically insulating body having first and second major surfaces, and further having a plurality of through-holes providing openings between the first and second major surfaces; and
stacking the plurality of connector slices, one atop another, in alignment such that major surfaces are facing one another and each through-hole of each connector slice is coaxially aligned with the corresponding through-holes of the other connector slices, and such that the stack so formed has a first predetermined height;

wherein each of the through-holes are adapted to receive a conductor; and
~~The method of Claim 18, further comprising~~ providing an electrically conductive coating in at least a portion of the through-holes of the plurality of connector slices; and disposing a conductive sheet between a pair of the first plurality of stacked connector slices.

20. (Original) The method of Claim 19, further comprising inserting a conductor with a dielectric coating into a conductively coated through-hole.